



**HIV in Europe**

Working Together for Optimal  
Testing and Earlier Care

Copenhagen 2012 Conference

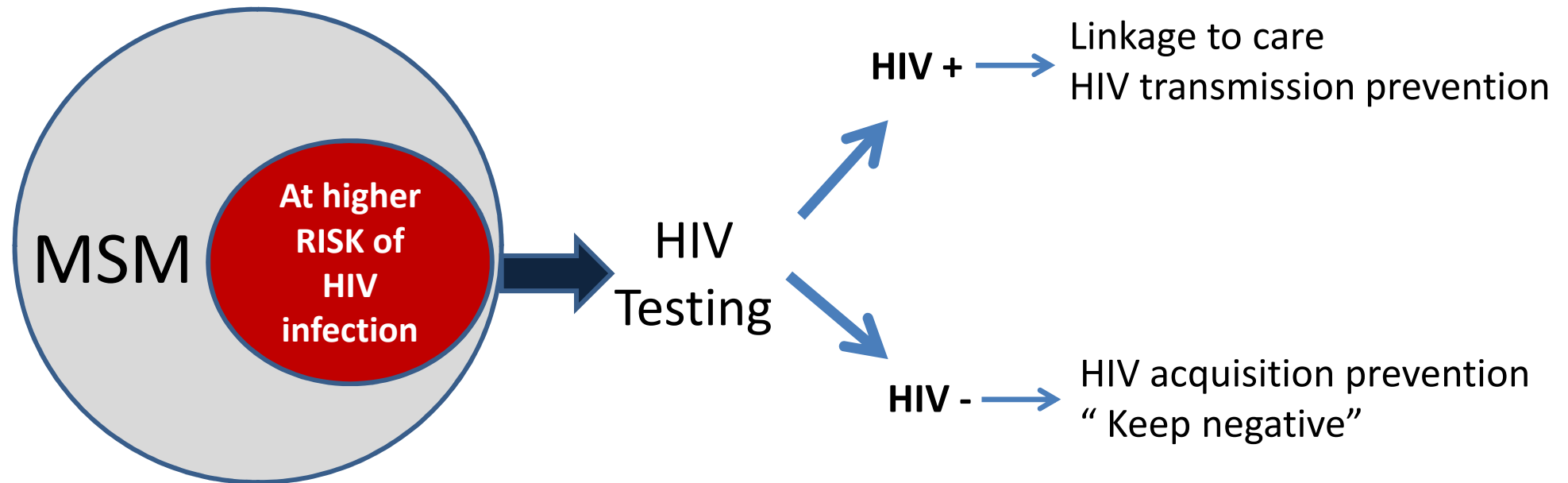
# HIV testing among MSM in Portugal: results from the EMIS survey

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## Background



## Methods



The European MSM Internet Survey-EMIS, the largest international study ever conducted on homosexually active men, took place in 2010, from June 4th to August 31st.

An anonymous questionnaire was provided online in 38 European countries and 25 languages.

Data from the Portuguese sample was extracted and analyzed (SPSS 19) . A total of **4584 participants** were included.

## General description

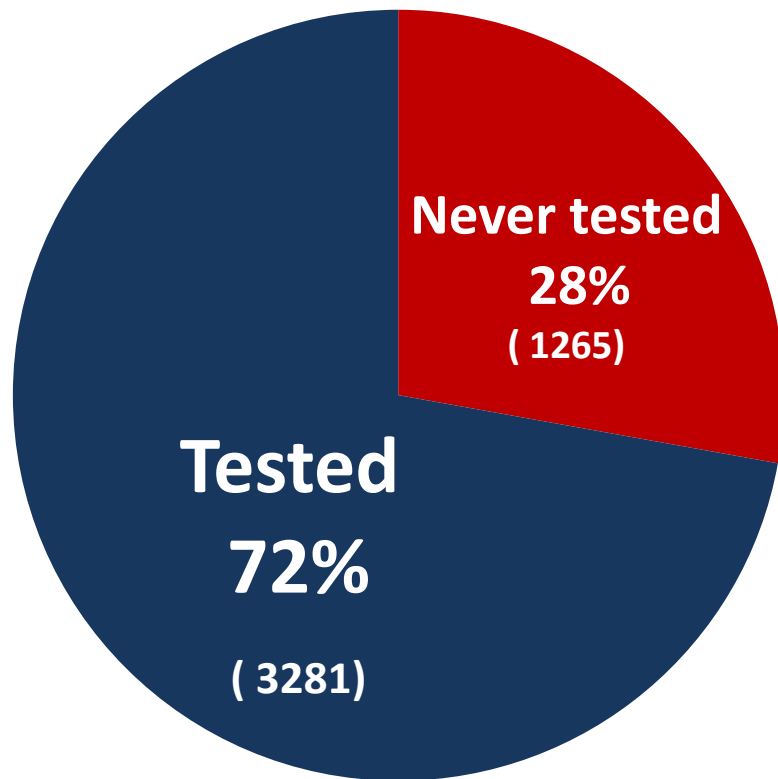
**Born in Portugal:** 82% ( 3678)

**Age (mean $\pm$  SD):** 32  $\pm$  10.6 y

**High educational degree:** 58% (2606)



## HIV Testing



**+**

Tested HIV Positive: 7.7% ( 350)

HIV diagnosis within last year: 14.3%

**-**

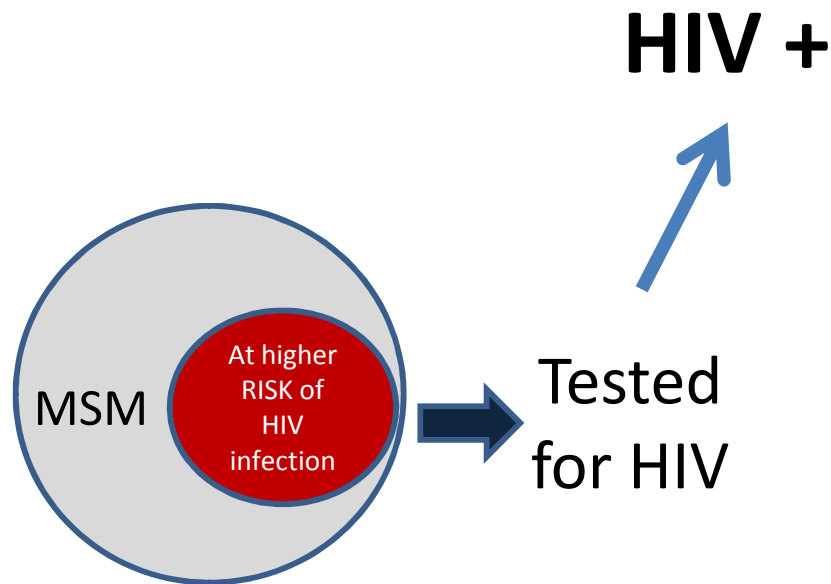
Test performed last 12m: 71.7%

## HIV testing among MSM in Portugal: results from the EMIS survey

HIV Testing Context	Tested and positive n ( 350) %	Tested and negative n ( 2931) %
Place		
GP/family doctor	28.7	37.4
Hospital	27.5 ( 7.4 inpatient)	16.6 ( 2.3 inpatient)
Private doctor	21.5	15.1
Community HIV testing service	13.8	19.4
Blood bank	4.3	6.8
Confidentiality *	79.3	90.1
Respect*	80.3	91.6
No counselling	11.2	37.8
Dissatisfied with counselling	15.5	3.7

\* Very satisfied or satisfied

Linkage to care  
HIV transmission prevention



**7.7%** ( 350)

CD4+ at diagnosis (n=218)

- Late presenters ( <350/mm3): 28.8%

Visit to a health professional <6 m ( n= 330): 94.3%

On ARV ( currently) : 72%

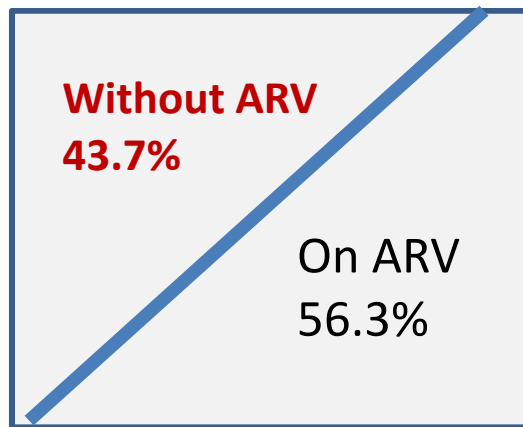
With undetectable viral load: 76.7%

Unprotected anal intercourse < 12m : 63.3%

↳ Among those on ARV ONLY 58.7% reported undetectable VL

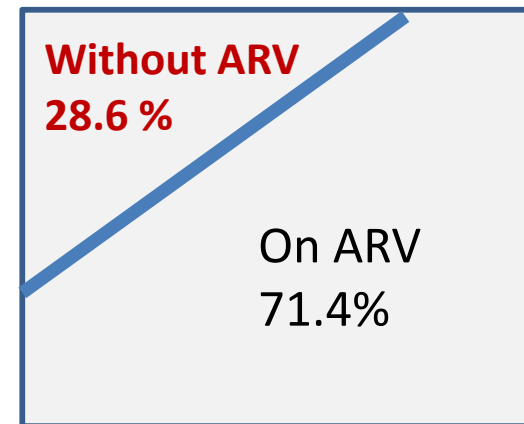
# HIV POSITIVE: 7.7% (350)

CD4+ > 350/mm<sup>3</sup>



undetectable viral load: 40.4%

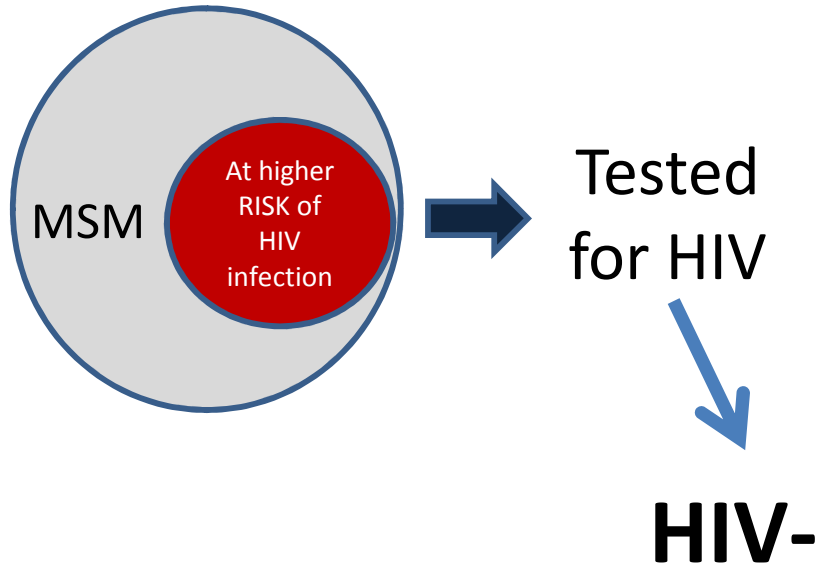
CD4+ < 350/mm<sup>3</sup>



undetectable viral load: 63.3%



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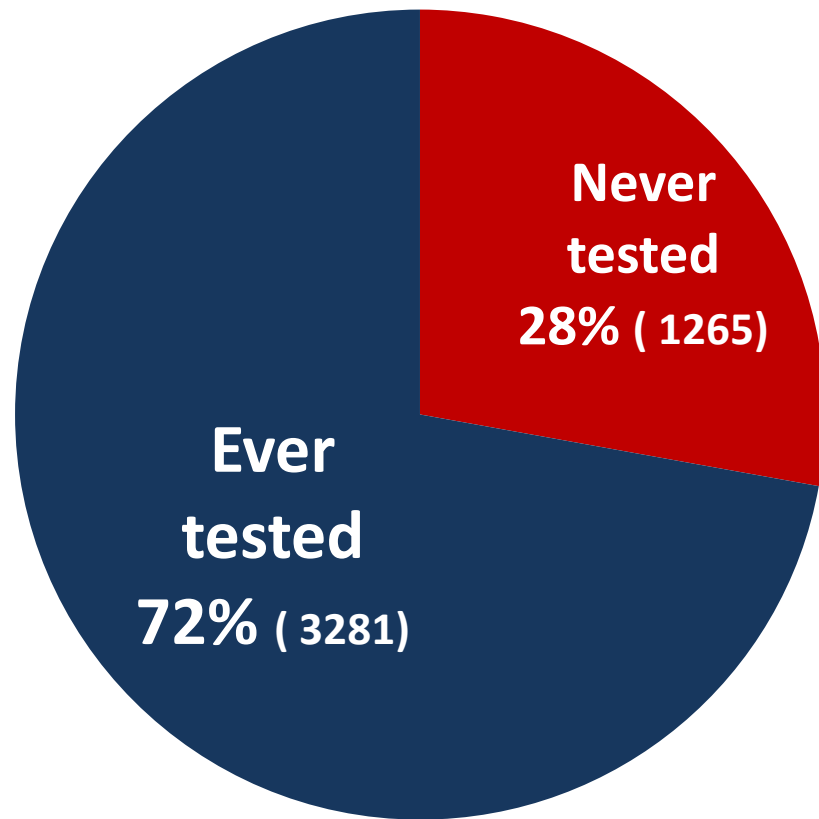
HIV acquisition prevention  
“ Keep negative”

**64.5%** ( 2931)

Number of sex partners last 12m:  
1: 23.8%  
2-5: 33.6%  
6 or more: 38.1%

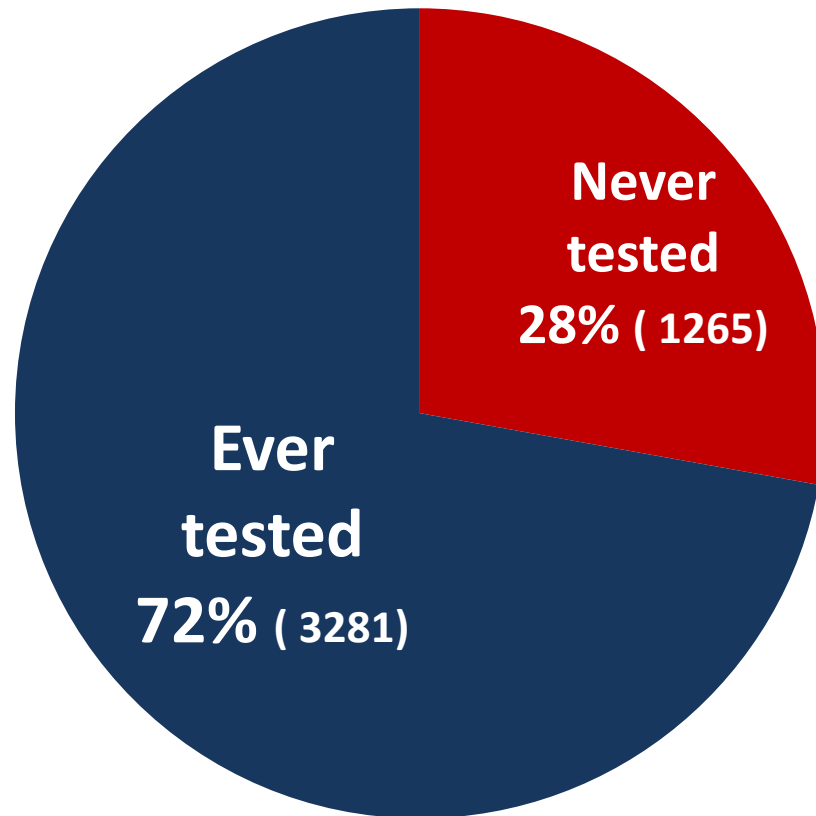
Unprotected anal intercourse < 12m : 69.1 %

## HIV Testing



**UAI last 12m: 62.9% (597)**  
**> 5 partners last 12m : 25.2% (314)**

## HIV Testing



Confident about getting a test for HIV  
(very or quite confident): 80.7%

	Ever tested	Never tested	OR [IC95%]	ORa [IC95%]
Age				
< 25	665 (20.3)	623 (49.2)	1	
25-39	1828 ( 55.7)	468 ( 37.0)	2.01 [1.67-2.43]	
>= 40	788 ( 24.0)	174 ( 13.8)	2.14 [1.65-2.78]	
Country of birth				
Other	622 ( 19.3)	195 ( 15.7)	1	1
Portugal	2603 (80.7)	1049 ( 84.3)	1.03 [0.83-1.29]	0.95 [0.77-1.18]
Educational level				
Low/medium	1328 ( 38.1)	670 ( 53.7)	1	1
High	2014 ( 61.9)	578 (46.3)	1.53 [1.30-1.80]	<b>1.56 [1.33-1.82]</b>
Sexual identity				
Bi/Hetero	847 ( 25.9)	518 (41.1)	1	1
Gay	2423 (74.1)	743 ( 58.9)	1.31 [1.09-1.58]	<b>1.63 [1.35-1.96]</b>

Adjusted for age, country of birth, educational level, disclosure, UAI last 12m

	Ever tested	Never tested	OR [IC95%]	ORa [IC95%]
Disclosure				
“out of the closet”	1894 (58.0)	504 (40.1)	1	1
“in the closet”	1370 (42.0)	754 (59.9)	0.73 [0.61- 0.87]	<b>0.57 [0.49 -0.67]</b>
UAI <12m				
No	926 (31.5)	352 (37.1)	1	1
yes	2015 (68.5)	597 (62.9)	1.28 [1.08-1.51]	<b>1.33 [1.13-1.57]</b>
Sex partners last 12m				
0	153 (4.7)	234 (18.8)	1	1
1	743 ( 23.0)	280 (22.5)	2.12 [1.35-3.34]	<b>2.07 [1.33-3.21]</b>
2-5	1054 ( 32.7)	418 ( 33.5)	2.04 [1.31-3.17]	<b>2.07 [ 1.35-3.18]</b>
6-10	533 ( 16.5)	163 (13.1)	2.07 [1.30-3.30]	<b>2.34 [1.49-3.67]</b>
>10	743 ( 23.0)	151 ( 12.1)	2.15 [1.34-3.43]	<b>2.92 [1.86-4.59]</b>

Adjusted for age, country of birth, educational level, disclosure, UAI last 12m

	Ever tested	Never tested	OR [IC95%]	ORa [IC95%]
Sex abroad				
No	1527 (47.1)	917 ( 73.2)	1	1
yes	1715 (52.9)	336 ( 26.8)	1.61 [1.34-1.94]	<b>1.91 [1.60-2.27]</b>
Sex venues				
Never	888 ( 27.1)	661 (52.5)	1	1
At least once	2383 (72.9)	597 (47.5)	1.53 [1.28-1.84]	<b>1.85 [1.56-2.21]</b>
Syphilis hx				
No	2883 ( 88.6)	1232 (97.9)	1	1
Yes	371 (11.4)	26 (2.1)	3.84 [2.40-6.15]	<b>4.53 [ 2.84-7.22]</b>
IDU				
Never	3070 ( 95.0)	1201 ( 96.9)	1	1
At least once	161 (5.0)	38 ( 3.1)	1.14 [0.73-1.79]	1.40 [0.91-2.15]

Adjusted for age, country of birth, educational level, disclosure, UAI last 12m

## Limitations

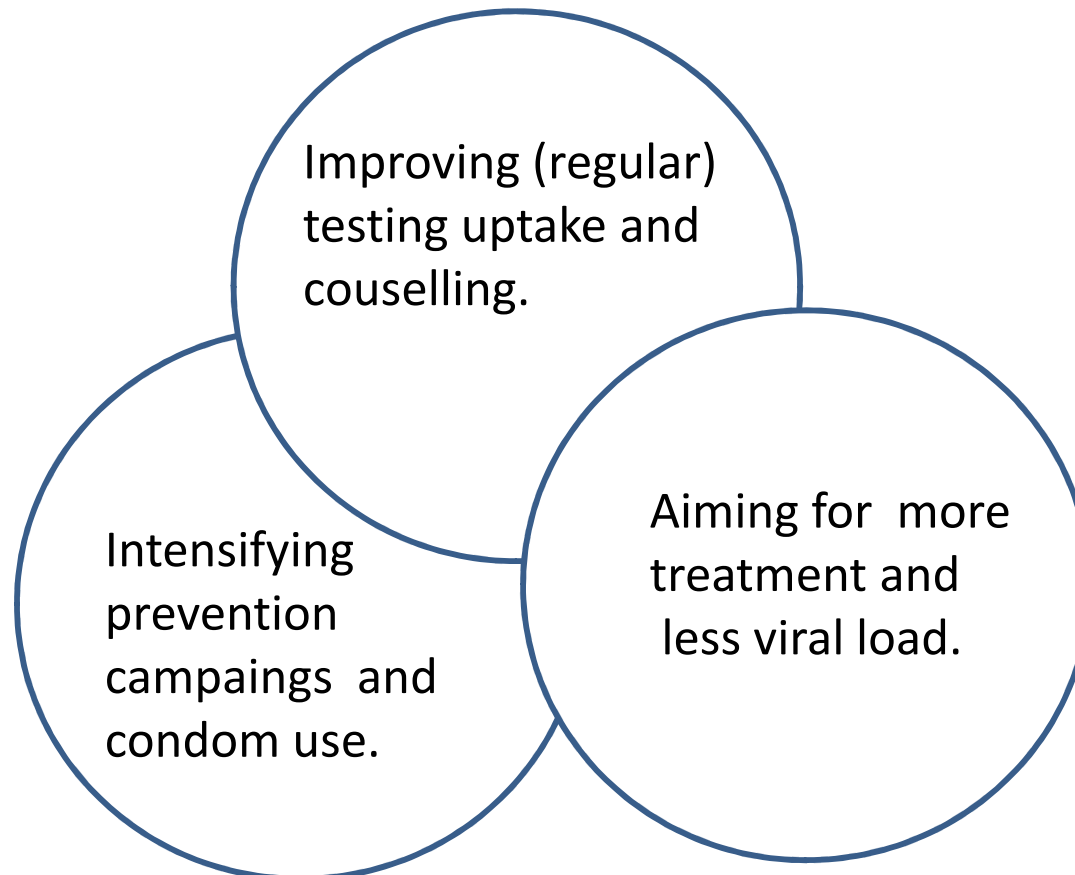
- Self-selection bias
- Recall bias
- Non representative sample

## Conclusions

- HIV testing uptake in our sample was high: 72% but not enough ( among those never tested, 62.9% reported risk behaviour within last 12m).
- The ARV unmet need should be tackled ( 28.6% of those diagnosed with  $<350/\text{mm}^3$  are not currently on ARV) and efforts to reach and maintain undetectable viral load should be encouraged.
- Among those tested positive or negative a significant proportion reported engaging in high risk behaviours »»» additional effort is needed to decrease the number of men at continuous risk.



## Interventions should focus on:



# Thank you for your attention!

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